

**Notice of Allowability**

Application No.

09/649,958

Examiner

Ashok B. Patel

Applicant(s)

KIMURA ET AL.

Art Unit

2154

-- **The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/30/05.
2. ☒ The allowed claim(s) is/are 9-17.
3. ☒ The drawings filed on 29 August 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

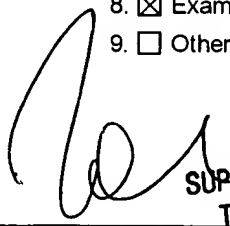
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
**JOHN FOLLANSBEE**  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

### **DETAILED ACTION**

1. Claims 9-17 are allowed. Claims 1-8 have been cancelled.

### **EXAMINER'S AMENDMENT**

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Shrinath Malur on 07/14/2005.

3. The application has been amended as follows:

In the claims:

- A. Claims 1-8 have been cancelled.
- B. Claim 10, line 1, replace "9" with --1--.
- C. Claim 11, line 1, replace "10" with --2--.
- D. Claim 12, line 1, replace "11" with --3--.
- E. Claim 13, line 1, replace "12" with --4--.
- F. Claim 14, line 1, replace "13" with --5--.
- G. Claim 15, line 1, replace "14" with --6--.
- H. Claim 16, line 1, replace "9" with --1--.
- I. Claim 17, line 1, replace "16" with --8--.

### **REASONS FOR ALLOWANCE**

4. The following is an examiner's statement of reasons for allowance:

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None of the prior arts of record teach or suggest the claimed limitation "a multi-OS driver activated as a device driver stored in a common area of a virtual memory used by said first and second OSs, said multi-OS driver accepting interrupts from said single processor, wherein said multi-OS driver executes independently of operation of said first and second OSs, the multi-OS driver indicating an execution of an interrupt to one of said first and second OSs based on interrupts accepted; and one of said first and second OSs runs independently of the other of said first and second OSs without hardware and software for a privilege instruction to be executed by each of said first and second OSs; wherein the multi-OS driver manages rights of using the hardware devices by the first and second OSs and manages notification destinations of interrupts from the plurality of hardware devices to the first and second OSs, when the first OS uses a first hardware device of the plurality of hardware devices, the first OS notifies the multi-OS driver of a request for use of the first hardware device, the multi-OS driver notifies the first OS of permission for using the first hardware device, if a notification destination of interrupts to an OS received from the first hardware device is not registered as "the second OS" and notifies the first OS of an interrupt from the first hardware device, when receiving the interrupt from the first hardware device after the notification of permission." None of the prior arts of record teach or suggest the claimed limitations.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ashok B. Patel whose telephone number is (571) 272-3972. The examiner can normally be reached on 8:00am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A Follansbee can be reached on (571) 272-3964. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Abp  
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 JOHN FOLLANSBEE  
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